Manufacturing of Aircraft by Hindustan Aeronautics Limited with foreign collaboration

417. SHRI KRISHNA KUMAR BIRLA: Will the Minister of DEFENCE be pleased to state:

(a) whether the Hindustan Aeronautics Limited is considering foreign collaboration for the manufacture of commercial aircraft for export and domestic use;

(b) if so, what are the details of the discussions held/going on with foreign firms for collaboration;

(c) what terms and conditions have been laid down for such collaboration;

(d) whether Government have permitted such collaborations; and

(e) if so, what are the details thereof?

THE MINISTER OF DEFENCE (SHRI SHARAD PAWAR): (a) Yes, Sir.

(b) Discussions on manufacture of a Turbo-prop aircraft in HAL are as yet at a very preliminary stage.

(c) to (e) Do not arise in view of(b).

काकीनाडा में भारत इलैक्ट्रानिक्स लिमिटेड का संयंत्र

418. **श्री अजीत जोगी :**
कुमारी आलिया :

क्या रक्षा मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या यह सच है कि सरकार नौसेना भौतिक महासागरीय प्रयोगशाला के लिए आधुनिक उपकरणों के विनिर्माण हेतु केरल में काकीनाडा में भारत इलैक्ट्रॉनिक्स लिमिटेड का एक संयंत्र स्थापित करने का विचार रखती है; और

(ख) यदि हां, तो तत्संबंधी ब्यौरा क्या है ?

रक्षा मंत्री (श्री शरद पवार) : (क) और (ख) भारत इलैक्ट्रानिक्स लिमिटेड का अंतर्जलीय ट्रांसड्यूसर के रख-रखाव तथा अंशांकन (कैलीब्रेशन) के लिए नौसेना भौतिक समुद्र विज्ञान प्रयोगशाला द्वारा उपलब्ध कराई जाने वाली भूमि पर, केरल, कोचीन में एक सेवा केन्द्र स्थापित करने का प्रस्ताव है।

Projects undertaken by DRDO

419. SHRI KAMAL MORARKA: Will the Minister of DEFENCE be pleased to state:

(a) what are the details of the major projects undertaken by DRDO since 1980;

(b) whether any target dates have been fixed for their completion;

(c) if so, whether these have been adhered to;

(d) if not, what are the reasons for delay and the cost escalation thereof; and

(e) what steps have been taken by Government for their expeditious completion?

THE MINISTER OF DEFENCE (SHRI SHARAD PAWAR): (a) Since 1980, DRDO has undertaken 14 major projects, each costing more than Rs. 20 crores, as per details given below:

Technology discipline	No. of major projects
Aeronautics	4
Armaments	1
Electronics	3
Naval Systems	2
Rockets, Missiles & allied facilities	4
TOTAL :	14

10 projects were undertaken to meet the requirements of the Services and 4 were undertaken to build up technological facilities and testing infrastructure.

(b) Yes, Sir.

(c) Original target dates/time frames were enhanced in seven projects.

(d) Main reasons of delay and cost escalation have been as under:—

(i) inherent uncertainties in R&D work.

(ii) hike in foreign exchange rates in terms of Indian Rupee.

(iii) export restrictions by certain foreign countries on sale of sensitive/critical components/test equipments to third world countries.

(iv) inadequate technological infrastructure available in the country.

(v) delay by sub-contractor/vendor agencies on which DRDO has no control.

(vi) shortage/uncertainties in availability of foreign exchange.

(vii) unforeseen technological problems.

(viii) inadequate funding for DRDO.

(e) Major projects are being closely monitored and reviewed by specially constituted Project Management Boards and Committees of Experts. Resources are being made available to these projects to ensure their expeditious completion.

Cases of Cardio-Vascular diseases detected/treated in the armed forces

420. MISS SAROJ KHAPARDE: Will the Minister of DEFENCE be pleased to state:

(a) what is the number of cases of Cardio-Vascular diseases detected/treated in the Armed Forces during the last 3 years till date; and

(b) what steps Government have taken or propose to take to prevent the spread of these diseases in the Armed Forces of the country?

THE MINISTER OF DEFENCE (SHRI SHARAD PAWAR): (a) and (b) Of the various Cardio Vascular Diseases, the two major ones are: (i) Hypertensive Diseases and (ii) Coronary Artery Diseases. These are monitored centrally in the Armed Forces.

The number of such cases during the calender years 1989, 1990 and 1991 are given below:—

Diseases	1989	1990	1991	Total
Hypertensive	2568	2397	2438	7403
Coronary Artery	1493	1316	1179	3988

Cardio Vascular Diseases are due to various risks of which hereditary pre-disposition and individual life styles play a major role. The multi-pronged strategy adopted in the Armed Forces to minimise preventable risk factors are as under:—

(i) Regular talks, symposia and panel discussions are held on risk factors for all ranks and their families highlighting the importance of adopting a life style which will minimise the chances of Cardio Vascular disorders.

(ii) Ration scales have been modified, based on available scientific knowledge of the risk factors.

(iii) Physical exercises and games, a regular feature of the training of all ranks, are enforced rigidly.

(iv) Opportunities for rest and relaxation have been in-built in the service conditions. These include Annual Leave for 60 days and casual leave for 20 days. The daily routine is also so structured as to provide relaxation.

(v) All personnel have to undergo detailed annual and six-monthly check-up for detection of pre-disposing factors of all diseases including Cardio Vascular ones. Periodic ECGs at five yearly intervals are mandatory. Cases detected